IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An image processing apparatus that ~~exchanges~~ transmits image data ~~between a first device and~~ from a second device to a first device, comprising:

acquisition means for acquiring a target division level that is a wavelet division level supported by the first device;

checking means for checking a difference between the target division level and a wavelet division level in [[a]] an original code stream of the second device, wherein said original code stream is compressed and encoded according to a JPEG 2000 algorithm;

reading means for reading coded data responsive to a check result of the checking means from the original code stream;

decoding means for decoding wavelet coefficients from the coded data read by the reading means;

generating means for generating LL component data of the target division level by performing a wavelet transform or an inverse wavelet transform on the wavelet coefficients decoded by the decoding means;

coding means for coding the LL component data generated by the generating means;

changing means for changing the wavelet division level of the original code stream by embedding, in the original code stream of the second device, the LL component data coded by the coding means for transmission to the first device; and

coding condition changing means for changing coding conditions in the original code stream based on the wavelet division level changed by the changing means.

2. (Currently Amended) The image processing apparatus as claimed in Claim 1, wherein if the target division level is low, the reading means reads coded data of levels higher than the target division level from the original code stream.

3. (Currently Amended) The image processing apparatus as claimed in Claim 1, wherein if the target division level is high, the reading means reads coded data of an LL component of a level lower than the target division level from the original code stream.

4. (Canceled)

5. (Currently Amended) The image processing apparatus as claimed in Claim 1, wherein the coding conditions are a decomposition level number in a parameter regarding a coding style of components included in a default coding style marker (COD) in a start marker (SOC) of the original code stream.

6-10. (Canceled)

11. (Currently Amended) The image processing apparatus as claimed in Claim 2, wherein the coding conditions are a decomposition level number in a parameter regarding a coding style of components included in a default coding style marker (COD) in a start marker (SOC) of the original code stream.

12. (Currently Amended) A method for ~~exchanging~~ transmitting image data ~~between a first device and~~ from a second device to a first device, said method comprising the steps of:

acquiring a target division level that is a wavelet division level supported by the first device;

checking a difference between the target division level and a wavelet division level in [[a]] an original code stream of the second device, wherein said original code stream is compressed and encoded according to a JPEG 2000 algorithm;

reading coded data responsive to a check result of the checking step from the original code stream;

decoding wavelet coefficients from the read coded data;

generating LL component data of the target division level by performing a wavelet transform or an inverse wavelet transform on the decoded wavelet coefficients;

coding the generated LL component data;

changing the wavelet division level of the original code stream by embedding, in the original code stream of the second device, the coded LL component data for transmission to the first device; and

changing coding conditions in the original code stream based on the changed wavelet division level.

13. (Currently Amended) The method as claimed in Claim 12, wherein if the target division level is low, the step of reading coded data includes reading coded data of levels higher than the target division level from the original code stream.

14. (Currently Amended) The method as claimed in Claim 12, wherein if the target division level is high, the step of reading coded data includes reading coded data of an LL component of a level lower than the target division level from the ~~codes~~ original code stream.

15. (Currently Amended) The method as claimed in Claim 12, wherein the coding conditions are a decomposition level number in a parameter regarding a coding style of components included in a default coding style marker (COD) in a start marker (SOC) of the original code stream.

16. (Currently Amended) The method as claimed in Claim 13, wherein the coding conditions are a decomposition level number in a parameter regarding a coding style of components included in a default coding style marker (COD) in a start marker (SOC) of the original code stream.